

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

31. (Currently Amended) A hPTH (1-84) preparation, as a substantially homogeneous protein, wherein said hPTH (1-84) is more than 90% pure.

32. (Currently Amended) The hPTH (1-84) preparation of claim 31, having a purity of greater than wherein said hPTH (1-84) is more than 95% pure.

33. (Currently Amended) The hPTH (1-84) preparation of claim 31, as a substantially homogeneous protein, wherein said hPTH (1-84) is prepared by a process comprising the steps of:

- (a) providing a microorganism containing exogenous DNA encoding hPTH (1-84);
- (b) culturing said microorganism to allow expression of said exogenous DNA, thereby producing hPTH (1-84); and
- (c) purifying said hPTH (1-84) as a substantially homogeneous protein.

34. (Currently Amended) The substantially homogeneous hPTH (1-84) preparation of claim 33, wherein said microorganism is *E. coli*.

35. (Currently Amended) The substantially homogeneous hPTH (1-84) preparation of claim 33, wherein said microorganism is yeast.

36. (New) A hPTH (1-84) preparation, wherein:

- (a) said hPTH (1-84) comprises a sequence containing at least one amino acid selected from the group consisting of a glutamate at position 22, a leucine at position 28, and an aspartate at position 30, and
- (b) said hPTH (1-84) is more than 90% pure.

37. (New) The hPTH (1-84) preparation of claim 36, wherein said hPTH (1-84) comprises a glutamate at position 22.

38. **(New)** The hPTH (1-84) preparation of claim 36, wherein said hPTH (1-84) comprises a leucine at position 28.

39. **(New)** The hPTH (1-84) preparation of claim 36, wherein said hPTH (1-84) comprises an aspartate at position 30.

40. **(New)** The hPTH (1-84) preparation of claim 36, wherein said hPTH (1-84) is prepared by a process comprising the steps of:

- (a) providing a microorganism containing exogenous DNA encoding hPTH (1-84); and
- (b) culturing said microorganism to allow expression of said exogenous DNA, thereby producing hPTH (1-84);
- (c) and purifying said hPTH (1-84).

41. **(New)** The hPTH (1-84) preparation of claim 36, wherein said microorganism is *E. coli*.

42. **(New)** The hPTH (1-84) preparation of claim 36, wherein said microorganism is yeast.